

## Patent Claims

1. Method for producing software modules for field devices for process automation technology, wherein the software modules serve as device descriptions and have defined interfaces for application programs in process control systems, characterized in that, from standard device descriptions for field devices, syntactically and semantically correct, standard device descriptions are produced, and these are then converted by means of a compiler (C) into the corresponding software modules (SM).

2. Method as claimed in claim 1, characterized in that the interfaces and the software modules (SM) meet the FDT/DTM specifications (PROFIBUS Guideline -Order No. 2.162 "Specification for Profibus Device Descriptions and Device Integration", Volume 3).

3. Method as claimed in one of the preceding claims, characterized in that the standard device descriptions are PDM device descriptions, HCF device descriptions or company-specific device descriptions.

4. Method as claimed in one of the preceding claims, characterized in that the syntactically and semantically correct, device description is an EDD 1.1 device description (PROFIBUS Guideline -Order No. 2.162 "Specification for Profibus Device Descriptions and Device Integration", Volume 2).